

Title (en)  
Equipment and process for gas-phase olefin polymerisation

Title (de)  
Vorrichtung und Verfahren zur Olefinpolymerisation in der Gasphase

Title (fr)  
Appareil et procédé pour la polymérisation d'oléfine en phase gazeuse

Publication  
**EP 0830892 B1 20010919 (EN)**

Application  
**EP 97306295 A 19970819**

Priority  
FR 9610538 A 19960823

Abstract (en)  
[origin: EP0830892A1] The invention relates to an equipment for gas-phase polymerization of olefin(s), including a reactor (1) with a fluidized and optionally mechanically stirred bed, and a conduit (12) for withdrawing polymer, provided with an isolation valve (13), and a conduit (24) for emptying polymer, provided with an isolation valve (25), the said conduits (12,24) connecting the side wall of the reactor (1) to a single recovery gas lock (14) equipped with a discharge valve (16), equipment characterized in that the withdrawal conduit (12) leaves the side wall of the reactor at a height of the reactor wall, above the fluidization grid, ranging from 0.60 x H to 0.95 x H, while being directed downwards, with the result that any part of the said conduit forms with a horizontal plane an angle A ranging from 35 to 90 DEG , and in that the emptying conduit (24) leaves the side wall of the reactor at a height of the reactor wall, above the fluidization grid, ranging from 0.01 x H to 0.20 x H. <IMAGE>

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Cited by  
US6472483B1; EP1080782A1; SG82693A1; GB2381764A; US6420498B1; WO03011920A1; US7582710B2; US7807761B2; US7655192B2; US7812102B2; US6872918B2; EP2330135A1; WO2011066892A1; US8476383B2

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